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## *BOOKS AND PERIODICALS.*

*Four-Place Logarithmic Tables* containing the Logarithms of Numbers and of the Trigonometric Functions. Arranged for use in the entrance examinations of the Sheffield Scientific School of Yale University. By Percy F. Smith. New York: Henry Holt & Co.

*Elementary Calculus.* A text-book for the use of students in General Science. By Percy F. Smith, Ph. D., Professor of Mathematics in the Sheffield Scientific School of Yale University. 8vo. Cloth, 89 pages. Price, 80 cents. New York and Chicago: The American Book Co.

The aim of this book is to satisfy the growing demand for a text-book on the Calculus which shall present in a course of from thirty-five to forty exercises the fundamental notions of the Calculus. The remarkable development of Physics and Chemistry, not to mention other important subjects, along mathematical lines, makes a working knowledge of the Calculus an absolute necessity. This book can easily be mastered in the time assigned by any one having a slight aptitude for mathematics.

*Physics for High School Students.* By Henry S. Carhart, LL. D., Professor of Physics in the University of Michigan, and Horatio N. Chute, M. S., Instructor of Physics in the Ann Arbor High School. 8vo. Cloth, vii+433 pages. Price, $1.25. Boston: Allyn & Bacon.

This volume, the authors say, was written with the same purpose that guided them in the preparation of their *Elements of Physics.* The Elements was a most excellent book, well adapted to the wants of the schools for which it was written. In bringing out this book, the rapid advances in Physics within the last five or six years made it necessary to rewrite the whole book, and thus make it an entirely new one. The authors have made great improvements, and those teachers who, like myself, found the Elements a most excellent work for academic purposes, will find this one even better and more helpful.

*Annals of Mathematics.* Founded by Ormond Stone. Published under the auspices of Harvard University. Second Series, Vol. 3, No. 3.

The April number contains: Space of Constant Curvature, by Prof. F. S. Wood; Brilliant Points and Loci of Brilliant Points, by W. H. Roever; Problems in Infinite Series and Definite Integrals, by Prof. W. F. Osgood; Note on the Product of Linear Substitutions, by Prof. H. B. Newson.

*The American Journal of Mathematics.* Edited by Frank Morley with the co-operation of Simon Newcomb and other mathematicians. Published under the auspices of Johns Hopkins University. Price, $5.00.

Number 2, Vol. XXIV, contains Canonical Form of Linear Homogeneous Transformation in an Arbitrary Realm of Rationality, by Dr. L. E. Dickson; A New Theory of Collineation and their Lie Groups, by H. B. Newson; Infinitesimal Deformation of Surfaces, by L. P. Eisenhart.

### ERRATA.

Page 66, line 7, from top of page, for "oreer" read *order*.
Page 67, line 15, from top of page, for "$\alpha-\beta+\delta-\varepsilon$" read $\alpha-\beta+\gamma-\varepsilon$.
Page 70, line 1, for "$x=22$" read $x=17$.